Amendments of the Claims:

A detailed listing of all claims in the application is presented below. This listing of claims will replace all prior versions, and listings, of claims in the application. All claims being currently amended are submitted with markings to indicate the changes that have been made relative to immediate prior version of the claims. The changes in any amended claim are being shown by strikethrough (for deleted matter) or underlined (for added matter).

1-21. (Cancelled)

22. (Previously Presented) The method of claim 45, wherein the memory medium also stores data from breathing maneuvers carried out.

23. (Previously Presented) The method of claim 25, wherein the step of inputting comprises the substep of receiving the inhalation parameters through a modem.

24. (Previously Presented) The method of claim 25, wherein the step of inputting comprises the substep of manually inputting the inhalation parameters.

25. (Previously Presented) A method for administering a controlled inhalation of therapeutic aerosols for a patient during breathing maneuvers comprising the steps of:

inputting into an inhalation device a plurality of inhalation parameters for the inhalation;

wherein the inhalation parameters are selected from the group consisting of:

a) a plurality of individual patient parameters for the patient;

b) a plurality of aerosol parameters; and

c) a combination of a) and b);

individually adjusting the inhalation device to the patient to be treated by adapting a dosage of at least one aerosol on the basis of the inhalation parameters, comprising the substeps of:

evaluating the inhalation parameters for the inhalation; and

adjusting a respiratory flow or a tidal volume of the inhalation device based on the aerosol parameters such that an optimal dose of at least one active ingredient of at least one aerosol is applied to a desired section of a lung of the patient during the controlled inhalation; and

controlling an air flow through the inhalation device using the inhalation device during the controlled inhalation.

26-27. (Cancelled)

28. (Previously Presented) The method of claim 25, wherein the step of adjusting is accomplished using at least one valve.

29. (Previously Presented) The method of claim 45, wherein the memory medium is selected from the group consisting of:

a) a SmartCard;

b) a FlashCard; and

c) a SmartLabel.

30. (Previously Presented) The method of claim 45, wherein the memory medium is reprogrammable such that the individual patient parameters stored on the memory medium are adapted if a pulmonary function of the patient changes.

31-34. (Cancelled)

35. (Previously Presented) The method of claim 45, wherein the memory medium also stores an action blockage pre-setting such that a period of time lapses between successive inhalations to prevent an overdose.

36. (Previously Presented) The method of claim 45, wherein the substep of storing the inhalation parameters on the memory medium occurs prior to the substep of inserting the memory medium into the inhalation device.

37. (Previously Presented) The method of claim 25, wherein controlling an air flow through the inhalation device during the controlled inhalation comprises controlling an air flow velocity.

38. (Previously Presented) The method of claim 25, wherein the air flow through the inhalation device is controlled based on the inhalation parameters.

39-41. (Cancelled)

42. (Previously Presented) The method of claim 25 further comprising the step of inhaling through the inhalation device by the patient.

43. (Previously Presented) A method for administering a controlled inhalation of therapeutic aerosols for a patient during breathing maneuvers comprising the steps of:

inputting into an inhalation device a plurality of individual patient parameters for the patient for the inhalation;

individually adjusting the inhalation device to the patient to be treated by adapting a dosage of at least one aerosol on the basis of the individual patient parameters, comprising the substeps of:

evaluating the individual patient parameters for the inhalation; and

adjusting a respiratory flow or a tidal volume of the inhalation device based on the individual patient parameters such that an optimal dose of at least one active ingredient of at least one aerosol is applied to a

desired section of a lung of the patient during the controlled inhalation; and

controlling an air flow through the inhalation device using the inhalation device during the controlled inhalation.

44. (Previously Presented) A method for administering a controlled inhalation of therapeutic aerosols for a patient during breathing maneuvers comprising the steps of:

inputting into an inhalation device a plurality of aerosol parameters for the inhalation;

individually adjusting the inhalation device to the patient to be treated by adapting a dosage of at least one aerosol on the basis of the aerosol parameters, comprising the substeps of:

evaluating the aerosol parameters for the inhalation; and

adjusting a respiratory flow or a tidal volume of the inhalation device based on the aerosol parameters such that an optimal dose of at least one active ingredient of at least one aerosol is applied to a desired section of a lung of the patient during the controlled inhalation; and

controlling an air flow through the inhalation device using the inhalation device during the controlled inhalation.

45. (Previously Presented) The method of claim 25, wherein the inputting step comprises the substeps of:

inserting a memory medium into the inhalation device; and

storing the inhalation parameters on the memory medium before the inhalation.

46. (Currently Amended) The method of claim 43, wherein the inputting step comprises the substeps of:

inserting a memory medium into the inhalation device; and

storing the individual patient ~~inhalation~~ parameters on the memory medium before the inhalation.

47. (Currently Amended) The method of claim 44, wherein the inputting step comprises the substeps of:

inserting a memory medium into the inhalation device; and

storing the aerosol ~~inhalation~~ parameters on the memory medium before the inhalation.